There is a lot of borderline useless junk on the internet. Like most of my youtube channel; a useless piece of the internet sitting on a forgotten server rack somewhere in youtube headquarters. This will probably be so for a while. That's a problem! We have reached the limit for encoding data (in base 2 at least) per cubic meter. If you try to fit any more data it will be quantum computing which is not a good medium at all for data storage! As each cubit can be a 1 or a 0 depending on how it feels that day. Maybe sometime later we will find some pattern that makes it tick, but I doubt that will happen. I mentioned “in base 2” which is what we currently use, but we can make it base 4 pretty easily. We currently use electrons to encode information if there is an electron then it’s a one and if not a zero, but we could use positrons too giving us 4 different states each cell can be in. At that point why not quarks too? gluons? Up quark? down quark? charm quark? strange quark? top quark and (an anti version of each) the electron neutrino? the muon? the muon neutrino? tau? (no not the number) and the tau neutrino? (there are also anti version of all of these particles) their are also photons, W bosons, anti-W bosons, Z bosons, red anti-red gluons, red anti-blue gluons, red anti-green gluons, blue anti-red gluons, blue anti-blue gluons, blue anti-green gluons, green anti-red gluons, green anti-blue gluons, green anti-green gluons (apparently gluons have two characteristics each can be in three states (red, green or blue) so we have these strange names) and the higgs boson their are probably more we haven't discovered. With this we can up our information per square meter by 35 times, but, problem, it turns out we need really big spaces to store neutrinos, like bigger than the sun, big. We can fix this by removing neutrinos, easy fix, but, problem, muons last on average 2 microseconds before turning into an electron and two neutrinos, so we’ll remove the muon as well. Unfortunately top, strange, charm, and bottom quarks also have a similar problem. Both gluons and quarks really don’t like to be alone but fortunately there is a way around this, increasing their temperature to 2 trillion degrees celsius. Which might seem like a lot but it really isn’t for the up-quark that's only 48 (and some change) m/s and for the down quark it’s around 33 m/s. If you're wondering how I converted a temperature to a speed at the quantum level they’re nearly the same thing. Finally our bosons and tau which both turn into something else almost immediately so we only have 16 times efficiency. But we can go further. We can put 2 particles in a place at once or 3 or 4 or 5 or 6! This way the detector could detect both a proton and an anti-up quark or an anti-up quark, a photon, a position, a blue anti-red gluon, and an anti-bottom quark . We will have to make sure we don’t but both anti and regular matter in the same place then they’ll annihilate each other. With this we can up our information per square meter compared to what we have today by 31,744 times! Better yet we can sometimes not heat up quarks/gluons because they’ll have friends and won’t get all quantum tunnely. So information isn’t a problem at all … Assuming we can build all this stuff (gluon detectors don’t come cheap CERN made one that costs $72 million) but it's theoretically possible